

AG COST-SHARE BEST MANAGEMENT PRACTICES AND CREP  
Data by State, Basin/Sub-Basin, Jurisdiction, and Hydrologic Unit  
DCR Decision Support System Version

Identification\_Information:

Citation:

Originator: VA Department of Conservation and Recreation - DSWC

Publication\_Date: 20100804

Title:

Ag Cost-Share Best Management and Conservation Reserve Enhancement  
Program Practices

Edition: DCR Decision Support System Version

Description:

Abstract:

Non-personal information on all DCR-DSWC Ag Cost-Share Program Best  
Management Practice (BMP) and Conservation Reserve  
Enhancement Program Practices (CREP) locations.

Purpose: historical look at BMP and CREP implementation

Time\_Period\_of\_Content:

Beginning\_Date: 19980101

Ending\_Date: present

Status:

Progress: On-going

Maintenance\_and\_Update\_Frequency: biannual

Access\_Constraints:

This data set does not report those fields of the full BMP and CREP  
database file which have access restrictions.

Use\_Constraints:

All practices are represented as points even though some have an areal  
or linear extent, albeit a small one. Crediting VA DCR for the  
development of this data set is requested.

Data\_Set\_Credit:

DCR and the Virginia Soil and Water Conservation Districts should be  
credited as the source and developer of this data.

Data\_Quality\_Information:

Attribute\_Accuracy\_Report:

Many attribute errors have been found in past testing and use  
of the data. Many hours of review of the cost share database  
with the cost-share forms has made great improvements, but there  
is a limit to the improvements that can be made from forms which  
were not completed correctly. Problems are corrected as found.

Completeness\_Report:

Earlier (pre 1998) BMP records were not converted into the modernized  
tracking program and are thus not included in this dataset.

Less than 5% of the spatially referenced records of the database  
have been dropped from this data set due to their uncorrectable  
inaccuracies. This data set otherwise includes all BMP and CREP  
installations with a known position.

Lineage:

Source\_Information:

Source\_Citation:

Originator: Virginia Soil and Water Conservation Districts

Publication\_Date: varies

Title: Virginia Best Management Practices Tracking Program

Source\_Scale\_Denominator: NA

Type\_of\_Source\_Media: database

Process\_Step:

Process\_Description:

Query database for completed practices

Process\_Step:

Process\_Description:

Convert to MySQL - table was exported to a .txt file and loaded into MySQL.

Entity\_and\_Attribute\_Information:

Detailed\_Description:

Entity\_Type:

Entity\_Type\_Label: Agricultural BMP and CREP online database

Attribute:

Attribute\_Label: BMP Code

Attribute\_Definition: VA DCR best management practice code

Attribute\_Definition\_Source: VA DCR-DSWC

Attribute\_Domain\_Values:

Codeset\_Name: Ag BMP Cost-Share manual

Codeset\_Source: VA DCR-DSWC

Attribute:

Attribute\_Label: Juris FIPS Code

Attribute\_Definition: FIPS code of jurisdiction practice is located in

Attribute\_Definition\_Source: US Dept. of Commerce

Attribute\_Domain\_Values:

Codeset\_Name:

Federal Information Processing System codes for  
jurisdictions in Virginia

Codeset\_Source: US

Attribute:

Attribute\_Label: Virginia Hydrologic Unit

Attribute\_Definition:

VA-assigned 4 characters code for the 12 digit sixth order NWBD  
hydrologic unit code.

Attribute\_Definition\_Source: VA DCR

Attribute\_Domain\_Values:

Range\_Domain\_Minimum: A001

Range\_Domain\_Maximum: Y069

Attribute:

Attribute\_Label: Extent Installed

Attribute\_Definition: extent of BMP component installed

Attribute\_Definition\_Source: VA DCR-DSWC

Attribute:

Attribute\_Label: Installed Units

Attribute\_Definition: Extent installed units

Attribute\_Definition\_Source: VA DCR-DSWC

Attribute\_Domain\_Values:

Enumerated\_Domain:

Enumerated\_Domain\_Value: Acres

Enumerated\_Domain\_Value\_Definition: acres

Enumerated\_Domain:

Enumerated\_Domain\_Value: Lin. Feet

Enumerated\_Domain\_Value\_Definition: linear feet

Enumerated\_Domain:

Enumerated\_Domain\_Value: Count

Enumerated\_Domain\_Value\_Definition: number of installations

Attribute:

Attribute\_Label: Installed Type

Attribute\_Definition: Extent installed type

Attribute\_Definition\_Source: VA DCR-DSWC

Attribute\_Domain\_Values:

Enumerated\_Domain:

Enumerated\_Domain\_Value: Area being scouted

Enumerated\_Domain:

Enumerated\_Domain\_Value: Area converted back to wetlands

Enumerated\_Domain:

Enumerated\_Domain\_Value: Area in border

Enumerated\_Domain:

Enumerated\_Domain\_Value: Area in planted crop

Enumerated\_Domain:

Enumerated\_Domain\_Value: Area in strips installed

Enumerated\_Domain:

Enumerated\_Domain\_Value: Area installed in planned system

Enumerated\_Domain:

Enumerated\_Domain\_Value: Area installed in planted system

Enumerated\_Domain:

Enumerated\_Domain\_Value: Area left idle  
    Enumerated\_Domain:  
        Enumerated\_Domain\_Value: Area of buffer planted  
    Enumerated\_Domain:  
        Enumerated\_Domain\_Value: Area planted  
    Enumerated\_Domain:  
        Enumerated\_Domain\_Value: Area protected from sinkholes  
    Enumerated\_Domain:  
        Enumerated\_Domain\_Value: Area receiving split application  
    Enumerated\_Domain:  
        Enumerated\_Domain\_Value: Area stabilized  
    Enumerated\_Domain:  
        Enumerated\_Domain\_Value: Area treated  
    Enumerated\_Domain:  
        Enumerated\_Domain\_Value: Area where grazing is improved  
    Enumerated\_Domain:  
        Enumerated\_Domain\_Value: Channel length  
    Enumerated\_Domain:  
        Enumerated\_Domain\_Value: Length of streambank protected  
    Enumerated\_Domain:  
        Enumerated\_Domain\_Value:  
            Number of agricultural chemical and fertilizer handling facilities  
    Enumerated\_Domain:  
        Enumerated\_Domain\_Value: Number of alternative waste treatment systems installed  
    Enumerated\_Domain:  
        Enumerated\_Domain\_Value: Number of animal mortality incinerator facilities  
    Enumerated\_Domain:  
        Enumerated\_Domain\_Value: Number of animal waste control facilities  
    Enumerated\_Domain:  
        Enumerated\_Domain\_Value: Number of animal waste pumps  
    Enumerated\_Domain:  
        Enumerated\_Domain\_Value: Number of composter systems installed  
    Enumerated\_Domain:  
        Enumerated\_Domain\_Value: Number of connections to public sewer  
    Enumerated\_Domain:  
        Enumerated\_Domain\_Value: Number of loafing lot management systems  
    Enumerated\_Domain:  
        Enumerated\_Domain\_Value: Number of pumpouts  
    Enumerated\_Domain:  
        Enumerated\_Domain\_Value: Number of recycling systems  
    Enumerated\_Domain:  
        Enumerated\_Domain\_Value: Number of structures installed  
    Enumerated\_Domain:  
        Enumerated\_Domain\_Value: Number of systems installed or replaced  
    Enumerated\_Domain:  
        Enumerated\_Domain\_Value: Number of systems repaired  
    Enumerated\_Domain:  
        Enumerated\_Domain\_Value: Number of tests completed  
    Enumerated\_Domain:  
        Enumerated\_Domain\_Value: Number of water table control structures  
    Enumerated\_Domain:  
        Enumerated\_Domain\_Value: Stabilized channel length  
    Enumerated\_Domain:  
        Enumerated\_Domain\_Value: Terrace length  
    Enumerated\_Domain:  
        Enumerated\_Domain\_Value: Waterway length installed

Attribute:

    Attribute\_Label: Acres Benefited  
    Attribute\_Definition: acres benefited by installation of practice  
    Attribute\_Definition\_Source: VA DCR-DSWC  
    Attribute\_Units\_of\_Measure: acres

Attribute:

    Attribute\_Label: Acres Benefited Type  
    Attribute\_Definition: acres benefited type  
    Attribute\_Definition\_Source: VA DCR-DSWC  
    Attribute\_Domain\_Values:  
        Enumerated\_Domain:  
            Enumerated\_Domain\_Value: Area benefited from being left idle  
        Enumerated\_Domain:  
            Enumerated\_Domain\_Value: Area benefited from being scouted

Enumerated\_Domain:  
    Enumerated\_Domain\_Value: Area benefited from improved grazing  
Enumerated\_Domain:  
    Enumerated\_Domain\_Value: Area benefited from planned system  
Enumerated\_Domain:  
    Enumerated\_Domain\_Value: Area benefited from split application  
Enumerated\_Domain:  
    Enumerated\_Domain\_Value: Area buffer restored  
Enumerated\_Domain:  
    Enumerated\_Domain\_Value: Area converted back to wetlands  
Enumerated\_Domain:  
    Enumerated\_Domain\_Value: Area in field where active erosion is reduced  
Enumerated\_Domain:  
    Enumerated\_Domain\_Value: Area in planted crop  
Enumerated\_Domain:  
    Enumerated\_Domain\_Value: Area in tree planting  
Enumerated\_Domain:  
    Enumerated\_Domain\_Value: Area of buffer planted plus area of field being filtered  
Enumerated\_Domain:  
    Enumerated\_Domain\_Value: Area of operation that was relocated  
Enumerated\_Domain:  
    Enumerated\_Domain\_Value: Area of stream bank fenced out  
Enumerated\_Domain:  
    Enumerated\_Domain\_Value: Area of stream bank treated  
Enumerated\_Domain:  
    Enumerated\_Domain\_Value: Area of stream channel stabilized  
Enumerated\_Domain:  
    Enumerated\_Domain\_Value: Area of watershed drainage above structure  
Enumerated\_Domain:  
    Enumerated\_Domain\_Value: Area planted  
Enumerated\_Domain:  
    Enumerated\_Domain\_Value:  
        Area protected around sinkhole and draining into sinkhole  
Enumerated\_Domain:  
    Enumerated\_Domain\_Value: Area stabilized  
Enumerated\_Domain:  
    Enumerated\_Domain\_Value: Area where grazing is improved & stream bank protected  
Enumerated\_Domain:  
    Enumerated\_Domain\_Value: Buffer area

Attribute:  
    Attribute\_Label: Average Buffer Width  
    Attribute\_Definition: average buffer width of buffer installations  
    Attribute\_Definition\_Source: VA DCR-DSWC  
    Attribute\_Units\_of\_Measure: feet

Attribute:  
    Attribute\_Label: Sheet and Rill Erosion Reduction  
    Attribute\_Definition: estimate of sheet & rill erosion reduction  
    Attribute\_Definition\_Source: VA DCR-DSWC  
    Attribute\_Units\_of\_Measure: tons/acre/year

Attribute:  
    Attribute\_Label: Gully Erosion Reduction  
    Attribute\_Definition: estimate of gully erosion reduction  
    Attribute\_Definition\_Source: VA DCR-DSWC  
    Attribute\_Units\_of\_Measure: tons/year

Attribute:  
    Attribute\_Label: Animal Count  
    Attribute\_Definition: number of animals; animal waste practices only  
    Attribute\_Definition\_Source: VA DCR-DSWC  
    Attribute\_Units\_of\_Measure: whole animals of Animal Type

Attribute:  
    Attribute\_Label: Animal Type  
    Attribute\_Definition: type of animal whose waste is treated  
    Attribute\_Definition\_Source: VA DCR-DSWC  
    Attribute\_Domain\_Values:  
        Enumerated\_Domain:  
            Enumerated\_Domain\_Value: Beef  
        Enumerated\_Domain:  
            Enumerated\_Domain\_Value: Dairy  
        Enumerated\_Domain:  
            Enumerated\_Domain\_Value: Goat

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Enumerated_Domain:  
    Enumerated_Domain_Value: Swine  
Enumerated_Domain:  
    Enumerated_Domain_Value: Layer  
Enumerated_Domain:  
    Enumerated_Domain_Value: Sheep  
Enumerated_Domain:  
    Enumerated_Domain_Value: Horse  
Enumerated_Domain:  
    Enumerated_Domain_Value: Turkey  
Enumerated_Domain:  
    Enumerated_Domain_Value: Broiler  
Enumerated_Domain:  
    Enumerated_Domain_Value: Pullet  
Enumerated_Domain:  
    Enumerated_Domain_Value: Poultry  
Enumerated_Domain:  
    Enumerated_Domain_Value: Other  
Attribute:  
    Attribute_Label: Animal Waste Treated  
    Attribute_Definition: animal waste of Animal Type treated  
    Attribute_Definition_Source: VA DCR-DSWC  
    Attribute_Units_of_Measure: tons/year  
Attribute:  
    Attribute_Label: Conservation Effectiveness Factor  
    Attribute_Definition:  
        conservation effectiveness factor of practice;  
        changed from cost-efficiency in program year 2010  
    Attribute_Definition_Source: VA DCR-DSWC  
Attribute:  
    Attribute_Label: Program Type(s)  
    Attribute_Definition: comma delimited list of cost share funding sources  
    Attribute_Definition_Source: VA DCR-DSWC  
Attribute:  
    Attribute_Label: Total Cost  
    Attribute_Definition: total actual cost  
    Attribute_Definition_Source: VA DCR-DSWC  
    Attribute_Units_of_Measure: dollars  
Attribute:  
    Attribute_Label: State Cost Share Payment  
    Attribute_Definition: VA cost share program payment  
    Attribute_Definition_Source: VA DCR-DSWC  
    Attribute_Units_of_Measure: dollars  
Attribute:  
    Attribute_Label: Other Payments  
    Attribute_Definition: cost share from additional sources  
    Attribute_Definition_Source: VA DCR-DSWC  
    Attribute_Units_of_Measure: dollars  
Attribute:  
    Attribute_Label: Design Lifespan of BMP  
    Attribute_Definition: design life span of practice  
    Attribute_Definition_Source: VA DCR-DSWC  
    Attribute_Domain_Values:  
        Codeset_Name: BMP design life span  
        Codeset_Source: Ag BMP Cost-Share manual  
    Attribute_Units_of_Measure: years  
Attribute:  
    Attribute_Label: BMP Completion Date  
    Attribute_Definition: district payment or practice completion date  
    Attribute_Definition_Source: VA DCR-DSWC  
Attribute:  
    Attribute_Label: Program Year  
    Attribute_Definition:  
        Program year of the practice. Program years typically run July thru June.  
    Attribute_Definition_Source: VA DCR-DSWC  
Attribute:  
    Attribute_Label: Contract Year  
    Attribute_Definition:  
        For three-year contractual practices, this is the contract year.  
    Attribute_Definition_Source: VA DCR-DSWC
```

Attribute\_Domain\_Values:  
  Enumerated\_Domain:  
    Enumerated\_Domain\_Value: 0  
    Enumerated\_Domain\_Value\_Definition: not a contractual practice  
  Enumerated\_Domain:  
    Enumerated\_Domain\_Value: 1  
    Enumerated\_Domain\_Value\_Definition: First year of a contractual practice  
  Enumerated\_Domain:  
    Enumerated\_Domain\_Value: 2  
    Enumerated\_Domain\_Value\_Definition: Second year of a contractual practice  
  Enumerated\_Domain:  
    Enumerated\_Domain\_Value: 3  
    Enumerated\_Domain\_Value\_Definition: Third year of a contractual practice

Contact\_Information

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